

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the The Conveying Party Data and the Receiving Party Data previously recorded on Reel 024730 Frame 0863. Assignor(s) hereby confirms the Assignment.
CONVEYING PARTY DATA	
Name	Execution Date
Malik MERZA	08/27/2010
RECEIVING PARTY DATA	
Name:	Boehringer Ingelheim Vetmedica GmbH
Street Address:	Binger Strasse 173
City:	Ingelheim am Rhein
State/Country:	GERMANY
Postal Code:	55216
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12606179
CORRESPONDENCE DATA	
Fax Number:	(203)837-5875
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	816-387-4880
Email:	christina.ostorga@boehringer-ingelheim.com
Correspondent Name:	Michael P. Morris
Address Line 1:	900 Ridgebury Rd
Address Line 2:	PO Box 368
Address Line 4:	Ridgefield, CONNECTICUT 06877-0368
ATTORNEY DOCKET NUMBER:	01-1729-2-D2
NAME OF SUBMITTER:	Joyce L. Morrison
Total Attachments: 4 source=01-1729-2-D2-2010-07-23-OriginalAssignmentCover#page1.tif source=01-1729-2-D2-2010-07-23-OriginalAssignmentCover#page2.tif	

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 REEL: 024977 FRAME: 0501**

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Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Svanova Biotech AB	07/06/2010
RECEIVING PARTY DATA	
Name:	Boehringer Ingelheim Pharma GmbH & Co. KG
Street Address:	Binger Strasse 173
City:	Ingelheim
State/Country:	GERMANY
Postal Code:	55216
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12606179
CORRESPONDENCE DATA	
Fax Number:	(816)236-8261
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	203-798-5285
Email:	christina.ostorga@boehringer-ingelheim.com
Correspondent Name:	MICHAEL P. MORRIS BOEHRINGER INGELHEIM U
Address Line 1:	900 RIDGEBURY RD
Address Line 2:	P O BOX 368
Address Line 4:	RIDGEFIELD, CONNECTICUT 06877-0368
ATTORNEY DOCKET NUMBER:	1/1729-2-D2
NAME OF SUBMITTER:	Joyce L. Morrison

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Signature:	/Joyce L. Morrison/
Date:	07/23/2010
Total Attachments: 2 source=01-1729-2-D2-MERZA-Assignment#page1.tif source=01-1729-2-D2-MERZA-Assignment#page2.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT1265302
Receipt Date:	07/23/2010
Fee Amount:	\$40

PATENT

ASSIGNMENT


For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned ("the Assignor"):

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Sweden
Status::	Full Capacity
Given Name::	Malik
Family Name::	MERZA
City of Residence::	Uppsala
Country of Residence::	Sweden
Street of mailing address::	Flogstavaegen 150
City of mailing address::	Uppsala
Country of mailing address::	Sweden
Postal or Zip Code of mailing address::	752 72

hereby sells, assigns and transfer to Boehringer Ingelheim Vetmedica GmbH, a corporation of the Federal Republic of Germany, having a place of business at Binger Strasse 173, 55216 Ingelheim am Rhein, Federal Republic of Germany, its successors, assigns and legal representatives (collectively "the Assignee"), our entire right, title and interest, including all rights of priority, in and to the application for United States Letters Patent which is entitled:

**HYBRIDOMA PRODUCING ANTIBODIES TO LAWSONIA
INTRACELLULARIS ("the Application")**

which

- was executed by the Assignors on 
- was deposited with the United States Patent and Trademark Office on October 26, 2009, and accorded Serial No.: 12/606,179

and any and all improvements which are disclosed in the Application ("the Improvements") and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States or any other country on any of the Improvements, and in and to all original and reissued patents which have been or shall be issued in the United States or any other country on the Improvements;

Agree that the Assignee may apply for and receive Letters Patent for the Improvements in its own name or in Assignors' names, and that, when requested, without charge to but at the expense of the Assignee to carry out in good faith the intent and purpose of this assignment, the Assignors will execute all provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all of the Improvements, execute all rightful oaths, assignments, powers of attorney, and other papers, communicate to the Assignee all facts known to the

Assignors relating to the Improvements and the history thereof, participate and assist in any judicial or administrative proceedings concerning the Improvements, and generally do everything possible which the Assignee considers desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title to the Improvements and all applications for patents and all patents on the Improvements in the Assignee; and

Covenant with the Assignee that no assignment, grant, mortgage, license, or other agreement affecting the rights and property in the Improvements herein conveyed has been made to others by the Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

SIGNATURE OF APPLICANT	DATE
Malik MERZA 	08.27.2010